

Title (en)
CONCENTRATED AQUEOUS SUSPENSION OF MICROFIBRILLATED CELLULOSE COMPRISING SALTS FOR PLANT NUTRITION

Title (de)
KONZENTRIERTE WÄSSRIGE SUSPENSION VON MIKROFIBRILLIERTER CELLULOSE MIT EINEM SALZ ZUR PFLANZENERNÄHRUNG

Title (fr)
SUSPENSION AQUEUSE CONCENTRÉE DE CELLULOSE MICROFIBRILLÉE COMPRENANT DES SELS POUR LA NUTRITION DES PLANTES

Publication
EP 3983361 A1 20220420 (EN)

Application
EP 20826243 A 20200521

Priority
• US 201916442561 A 20190617
• IB 2020054847 W 20200521

Abstract (en)
[origin: US2020392051A1] A concentrated aqueous suspension of microfibrillated cellulose (MFC) comprising salts for plant nutrition, the concentrated aqueous suspension comprises microfibrillated linear polymers of D-glucose molecules homogenized through a fibrillation process (cellulose microfibrils), calcium ions, sulfate ions and other substances for plant nutrition, being the concentration of calcium ions and sulfate ions in excess of the concentration corresponding to the solubility of calcium sulfate in water and being the proportion of microfibrillated cellulose (MFC) within a range of 1% and 99% w/w of the suspension.

IPC 8 full level
C05F 11/00 (2006.01); **C05F 15/00** (2006.01); **C05G 3/00** (2020.01); **C05G 5/00** (2020.01); **C08L 1/02** (2006.01); **C09K 17/32** (2006.01)

CPC (source: EP IL US)
A01C 21/00 (2013.01 - IL US); **A01G 31/00** (2013.01 - EP IL US); **C05B 7/00** (2013.01 - EP IL US); **C05C 5/02** (2013.01 - IL US); **C05C 5/04** (2013.01 - EP IL US); **C05C 11/00** (2013.01 - EP IL US); **C05D 3/00** (2013.01 - EP IL US); **C05D 9/02** (2013.01 - EP IL US); **C05F 5/002** (2013.01 - EP IL US); **C05G 5/27** (2020.02 - EP IL US); **Y02A 40/20** (2018.01 - EP IL); **Y02P 20/145** (2015.11 - EP IL)

C-Set (source: EP)
1. **C05C 5/04 + C05D 1/02 + C05D 5/00 + C05F 11/00 + C05G 5/27**
2. **C05B 7/00 + C05C 5/02 + C05C 5/04 + C05D 5/00 + C05D 9/02 + C05F 11/00 + C05G 5/27**

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 11325872 B2 20220510; US 2020392051 A1 20201217; AU 2020296350 A1 20220210; BR 112021025680 A2 20220222; CA 3143429 A1 20201224; CL 2021003369 A1 20220909; CN 114364647 A 20220415; CR 20210660 A 20220425; EP 3983361 A1 20220420; EP 3983361 A4 20230628; IL 289049 A 20220201; IL 289049 B1 20240801; JP 2022536947 A 20220822; JP 7358518 B2 20231010; MX 2021016045 A 20220221; UY 38709 A 20201030; WO 2020254891 A1 20201224; ZA 202203993 B 20231220

DOCDB simple family (application)
US 201916442561 A 20190617; AU 2020296350 A 20200521; BR 112021025680 A 20200521; CA 3143429 A 20200521; CL 2021003369 A 20211216; CN 202080044255 A 20200521; CR 20210660 A 20200521; EP 20826243 A 20200521; IB 2020054847 W 20200521; IL 28904921 A 20211216; JP 2021575252 A 20200521; MX 2021016045 A 20200521; UY 38709 A 20200521; ZA 202203993 A 20220329